

Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (Original) An optical storage medium, comprising:
a disk-like body; and
at least one optically detectable mark on the disk-like body, the at least one optically detectable mark being readable by a plurality of different optical systems configured for different types of optical storage media.
2. (Original) The optical storage medium of claim 1, wherein the at least one optically detectable mark is located on a buried layer of the optical storage medium.
3. (Original) The optical storage medium of claim 2, wherein the buried layer is a non-data layer of the optical storage medium.
4. (Original) The optical storage medium of claim 2, wherein the buried layer is a data layer of the optical storage medium.
5. (Original) The optical storage medium of claim 1, wherein the at least one optically detectable mark is located on a surface of the optical storage medium.
6. (Original) The optical storage medium of claim 1, wherein the at least one optically detectable mark is located within a non-user-data area of the optical storage medium.
7. (Original) The optical storage medium of claim 6, wherein the non-user-data area comprises a lead-in area of the optical storage medium.

8. (Original) The optical storage medium of claim 6, wherein the non-user-data area comprises a lead-out area of the optical storage medium.
9. (Original) The optical storage medium of claim 1, wherein the at least one optically detectable mark is uniform in width along an axis coinciding with a radius of the optical storage medium.
10. (Original) The optical storage medium of claim 1, wherein the at least one optically detectable mark is shaped approximately like a sector of an annulus.
11. (Original) The optical storage medium of claim 1, wherein the at least one optically detectable mark is trapezoidal in shape.
12. (Original) A method for determining the type of an optical storage medium, comprising:
 - reading, from the optical storage medium using an optical system, at least one optically detectable mark that is readable by a plurality of different optical systems configured for different types of optical storage media; and
 - interpreting the at least one optically detectable mark to identify the type of the optical storage medium.
13. (Original) The method of claim 12, wherein the optical storage medium comprises a circular disc and the at least one optically detectable mark comprises a band of optically detectable marks disposed around a circle concentric with the circumference of the optical storage medium.
14. (Original) The method of claim 13, wherein the optically detectable marks comprising the band are uniformly spaced.

15. (Original) The method of claim 13, wherein the optically detectable marks comprising the band are spaced sufficiently far apart to be detectable by an optical system achieving a predetermined largest expected focus spot.

16. (Original) The method of claim 13, wherein interpreting the at least one optically detectable mark to identify the type of the optical storage medium comprises measuring the spacing of the optically detectable marks comprising the band.

17. (Original) The method of claim 12, wherein interpreting the at least one optically detectable mark to identify the type of the optical storage medium comprises measuring at least one dimension of the at least one optically detectable mark.

18. (Original) The method of claim 12, wherein the type comprises at least one of CD, DVD, Blu-ray, and AOD.

19.-26. (Canceled).

27. (Original) An optical device, comprising: an optical system to read, from an optical storage medium, at least one optically detectable mark that is readable by a plurality of different optical systems configured for different types of optical storage media; and logic configured to interpret the at least one optically detectable mark.

28. (Original) The optical device of claim 27, wherein the optical device comprises at least one of a DVD device, a CD device, a Blu-ray device, an AOD device, and a computer optical drive.

29. (Original) An optical device, comprising: means for reading, from an optical storage medium, at least one optically detectable mark that is readable by

a plurality of different optical systems configured for different types of optical storage media; and means for interpreting the at least one optically detectable mark.

30. (New) An optical storage medium comprising:
- a disk-like body comprising a central aperture and a data area configured to store data in a binary format along circular tracks;
 - a plurality of optically detectable marks on the disk-like body arranged in a curved pattern at least partially around the central aperture, the plurality of optically detectable marks outside the data area, and the plurality of optically detectable marks encode information in the sequentially arrangement of the marks along the curved pattern;
 - the plurality of optically detectable marks configured to be readable, as the disk-like body rotates, by both:
 - an optical pickup unit configured to read a data area of an optical storage medium that cannot focus on the data area of the disk-like body; and
 - an optical pickup unit configured to read a data area of an optical storage medium that can focus on the data area of the disk-like body.

31. (New) The optical storage medium of claim 30 wherein each optically detectable mark has radial size configured to be readable by the optical pickup unit in the absence of radial tracking.

32. (New) The optical storage medium of claim 30 wherein at least one optically detectable mark has a width, measured along the curved pattern, of from 1 to 3 millimeters.